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NOTICE OF ALLOWANCE AND FEE(S) DUE

006147

7590

05/19/2003

GENERAL ELECTRIC COMPANY GLOBAL RESEARCH CENTER PATENT DOCKET RM. 4A59 PO BOX 8, BLDG. K-1 ROSS NISKAYUNA, NY 12309 EXAMINER
HASSANZADEH, PARVIZ

ART UNIT

CLASS-SUBCLASS 118-7230ER

DATE MAILED: 05/19/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683 149	11/27/2001	Marc Schaepkens	RD28667	5978

TITLE OF INVENTION: APPARATUS AND METHOD FOR DEPOSITING LARGE AREA COATINGS ON PLANAR SURFACES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	08/19/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED</u>. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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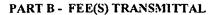
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

□ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

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PATENT DOCKET RM. 4A59 PO BOX 8, BLDG, K-1 ROS NISKAYUNA, NY 12309 APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONPIRMA 09/683,149 11/27/2001 Marc Schuepkens RD28667 597 TITLE OF INVENTION: APPARATUS AND METHOD FOR DEPOSITING LARGE AREA COATINGS ON PLANAR SURFACES APPLIN TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(s) DUE DATE I nonprovisional NO \$1300 \$300 \$1600 08/19/2 EXAMINER ART UNIT CLASS-SUBCLASS 118-7230ER 1. Change of correspondence address or indication of "Fee Address" (17 ER 1.563). 1. Change of correspondence address or indication of "Fee Address" (17 ER 1.564). 1. Change of correspondence address or indication of "Fee Address" (18 ER 1.564). 2. The Address indication of "Fee Address" indication form or once recently attached. Use of a Classomer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent, Inclusion of assignee data is only appropriate when an assignee previously submitted to the USPTO or is being submitted under sepanate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent, Inclusion of assignee data is only appropriate when an assignee proviously submitted to the USPTO or is being submitted under sepanate cover. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent, Inclusion of assignee data is only appropriate when an assignee is determined to the USPTO or is being submitted under sepanate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE 1. Advance Order - # of Copies 2. A check in the amount of the fee(s) is enclosed. 2. Publication Fee 2. A check in the	006147 75 GENERAL ELEC	E ADDRESS (Nobe: Legibly mark-to 90 05/19/2003 CTRIC COMPANY	p with any corrections or use	Block 1)	Fec(s) Transmit accompanying p formal drawing, i	tal. This certificate cannot appers. Each additional paper, smust have its own certificate of n	be used for any other uch as an assignment or nailing or transmission.
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other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	(Authorized Signature)		(Date)				
	NOTE: The Issue Fee and other than the applicant; interest as shown by the re-	I Publication Fee (if require a registered attorney or agreed of the United States Paper 1981)	red) will not be accept ent; or the assignce catent and Trademark O	ted from anyone or other party in office.			
This collection of information is required by 37 CFR 1311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.	This collection of informational obtain or retain a benefit application. Confidentiality estimated to take 12 minute completed application for case. Any comments on suggestions for reducing the patent and Trademark (22313-1450, DO NOT S.	tion is required by 37 CFR by the public which is to for its governed by 35 U.S.C.; less to complete, including gone to the USPTO. Time with amount of time you his burden, should be sent Office, U.S. Department END FEES OR COMPLE	1.311. The information of the USPT 122 and 37 CFR 1.14. The information of the USPT 122 and 37 CFR 1.14. The information of the Chief Information of Commerce, Alex PTED FORMS TO T.				

TRANSMIT THIS FORM WITH FEE(S)

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United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS P.O. Box 1450 Alexandra, Vignia 22313-1450

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683,149	11/27/2001	Marc Schaepkens	lare Schaepkens RD28667	
006147	7590 05/19/2003		EXAMINI	ER
GENERAL EI	LECTRIC COMPANY		HASSANZADEI	H, PARVIZ
0202	EARCH CENTER KET RM. 4A59		ART UNIT	PAPER NUMBER
PO BOX 8, BL	DG. K-1 ROSS		1763	
NISKAYUNA,	NY 12309		DATE MAILED: 05/19/2003	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS P.O. Box 1450 Alexandria, Viginia 22313-1450

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683,149	11/27/2001	Marc Schaepkens	RD28667	5978
006147	7590 05/19/2003		EXAMINE	ER
	LECTRIC COMPANY		HASSANZADEI	i, PARVIZ
GLOBAL RESI	EARCH CENTER KET RM 4A59		ART UNIT	PAPER NUMBER
PO BOX 8, BL	DG. K-1 ROSS		1763	
NISKAYUNA, UNITED STAT			DATE MAILED: 05/19/2003	

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees,htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)					
·	09/683,149	SCHAEPKENS, MARC					
^a Notice of Allowability	Examiner	Art Unit					
	Parviz Hassanzadeh	1763					
	raiviz nassanzauen	1703	·				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.							
3. The drawings filed on are accepted by the Examine	 This communication is responsive to 2/19/03 and 5/19/03. The allowed claim(s) is/are 1,2,5-9,18-23,27-31 and 45-50. The drawings filed on are accepted by the Examiner. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). All Some* None The drawings filed on are accepted by the Examiner. 						
2. Certified copies of the priority documents have	been received in Application No.	•					
 Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)). 			tion from the				
* Certified copies not received:		· · · · · · · · · · · · · · · · · · ·					
5. Acknowledgment is made of a claim for domestic priority up (a) The translation of the foreign language provisional a		onal application).					
6. Acknowledgment is made of a claim for domestic priority up							
O. M. Acknowledgment is made of a claim for domestic priority di	100 55 6.5.6. 33 120 and/or 121.						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of							
7. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent application (PTO-152) which gives reas			IOTICE OF				
 8. ☐ CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No (b) ☐ including changes required by the proposed drawing or 	correction filed <u>5/19/03</u> , which has t	peen approved by the					
(c) including changes required by the attached Examiner	s Amendment / Comment or in the C	Office action of Paper	No				
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.							
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
Attachment(s)							
 1 ☐ Notice of References Cited (PTO-892) 3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ☐ Information Disclosure Statements (PTO-1449), Paper No 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4⊠ Interview Summa	ndment/Comment ement of Reasons for A	No. <u>9</u> .				

Application/Control Number: 09/683,149

Art Unit: 1763

DETAILED ACTION

Drawings

The proposed drawing correction and/or the proposed substitute sheets of drawings, filed on 5/19/03 have been approved by the Examiner. A proper drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The correction to the drawings will not be held in abeyance.

The drawings filed on 11/27/02, 2/19/03 and 5/19/03 are acceptable subject to correction of the informalities indicated on the attached "Notice of Draftsperson's Patent Drawing Review," PTO-948. In order to avoid abandonment of this application, correction is required in reply to the Office action. The correction will not be held in abeyance.

Allowable Subject Matter

Claims 1, 2, 5-9, 18-23, 27-31, 45-50 are allowed.

The following is an examiner's statement of reasons for allowance:

a deposition apparatus comprising a chamber having a movable substrate and a linear array of a plurality of individual plasma sources, each having a cathode, an anode and a gas inlet, and

a common reactant gas injector comprising <u>a tubular-walled structure having two linear</u> portions parallel to each other and two end portions connecting the linear portions, wherein the gas injector is disposed between the anodes of the plasma sources and the substrate and is <u>circumferentially disposed with respect to the plasma sources</u>.

Art Unit: 1763

Neither of the prior art of the record teaches or suggests a common reactant gas injector comprising two linear and parallel portions and two end portions being circumferentially disposed around a linear array of a plurality of individual expanding thermal plasma (ETP) sources.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Parviz Hassanzadeh whose telephone number is (703)308-2050.

The examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Mills can be reached on (703)308-1633. The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9310 for regular communications and (703)872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0661.

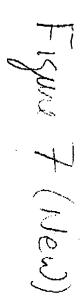
P. Hanon Jack Parviz Hassanzadeh

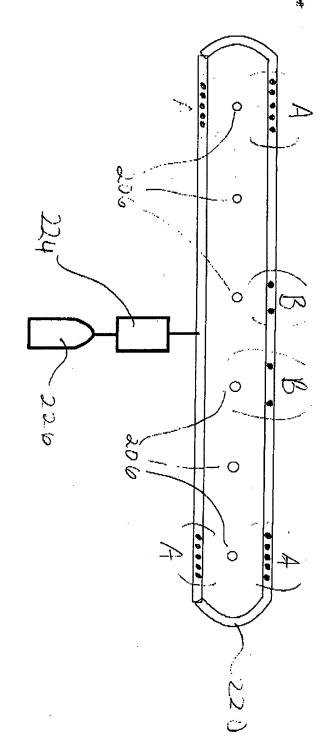
Examiner Art Unit 1763

May 19, 2003

5-19-03 p.t.

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